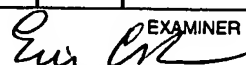


<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>(PTO-1449)</b>				<b>ATTY. DOCKET NO.</b> 43876-161		<b>SERIAL NO.</b> Continuation of Serial No. 10/646,787	
				<b>APPLICANT</b> Craig HANSEN, et al.			
				<b>FILING DATE</b> January 16, 2004		<b>GROUP</b> To be assigned	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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						Yes	No
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<b>(PTO-1449)</b>				APPLICANT <b>Craig HANSEN et al</b>			
				FILING DATE <b>Jan. 16, 2004</b>		GROUP <b>To be assigned</b>	
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SHEET 1 OF 11

INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.  
**043876-0161**SERIAL NO.  
**10757,836**APPLICANT  
**HANSEN, C., et al.**FILING DATE  
**January 16, 2004**GROUP  
**2124**

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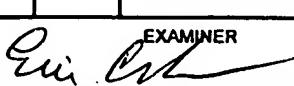
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		<b>APPLICANT</b> <b>HANSEN, C., et al.</b>	
		<b>FILING DATE</b> <b>January 16, 2004</b>	<b>GROUP</b> <b>2124</b>
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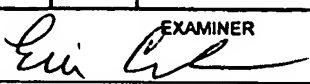
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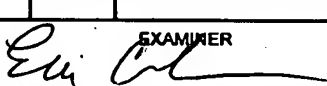
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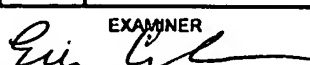
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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>(PTO-1449)</b>		<b>ATTY. DOCKET NO.</b> <b>043876-0161</b>	<b>SERIAL NO.</b> <b>10/757,836</b>
		<b>APPLICANT</b> <b>HANSEN, C., et al.</b>	
		<b>FILING DATE</b> <b>January 16, 2004</b>	<b>GROUP</b> <b>2124</b>
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<b>EXAMINER'S INITIALS</b>	<b>CITE NO.</b>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
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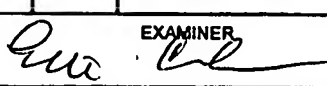
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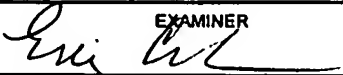
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/757,836	
			Filing Date	January 16, 2004	
			First Named Inventor	Craig C. HANSEN, et al.	
			Group Art Unit	2193	
			Examiner Name	CHAKI KAKALI	
Sheet	1	of	10	Attorney Docket Number	43876-161

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
CC	AA	US-4,852,098	07/25/1989	Brechard, et al.	
	AB	US-4,875,161	10/17/1989	Lahti, et al.	
	AC	US-4,949,294	08/14/1990	Wambergue, et al.	
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CC	AT	WO 93/11500			

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		Filing Date	January 16, 2004		
		First Named Inventor	Craig C. HANSEN, et al.		
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Sheet	2	of	10	Attorney Docket Number	43876-161

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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EC	AU	IEEE Draft Standard for "Scalable Coherent Interface-Low-Voltage Differential Signal Specifications and Packet Encoding", IEEE Standards Department, P1596.3/D0.15 (Mar. 1992) (50006DOC018530 – 563)	
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	BI	Bowers et al., "Development of a Low-Cost, High Performance, Multiuser Business Server System," Hewlett-Packard Journal, Vol. 46, No. 2, p. 79 (April 1995) (51056DOC059277 – 282)	
	BJ	Gwennap, "New PA-RISC Processor Decodes MPEG Video: Hewlett-Packard's PA-7100LC Uses New Instructions to Eliminate Decoder Chip," Microprocessor Report, pp. 16-17 (January 24, 1994) (51056DOC002140 – 141)	
	BK	Gwennap, "Digital MIPS Add Multimedia Extensions," Microdesign Resources, pp. 24-28 (November 18, 1996) (51056DOC003454 – 459)	
	BL	Kurpanck et al., "PA7200: A PA-RISC Processor with Integrated High Performance MP Bus Interface," IEEE COMPCON '94, pp. 375-82 (February 28- March 4, 1994) (51056DOC002149 – 156)	
	BM	Lee et al., "Pathlength Reduction Features in the PA-RISC Architecture," IEEE COMPCON, pp. 129-35 (February 24-28, 1992) (51056DOC068161 – 167)	
EC	BN	Lee et al., "Real-Time Software MPEG Video Decoder on Multimedia-Enhanced PA 7100LC Processors," Hewlett-Packard Journal, Vol. 46, No. 2, pp. 60-68 (April 1995) (51056DOC013549 – 557)	


Examiner Signature		Dated Considered	6/15/07
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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		Application Number	10/757,836		
		Filing Date	January 16, 2004		
		First Named Inventor	Craig C. HANSEN, et al.		
		Group Art Unit	2193		
Examiner Name	CHAKI, KAKALI				
Sheet	4	of	10	Attorney Docket Number	43876-161


OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T <sup>2</sup>
EC	BX	Lee, "Realtime MPEG Video via Software Decompression on a PA-RISC Processor," IEEE, pp. 186-92 (1995) (51056DOC007345 – 351)	
	BY	Martin, "An Integrated Graphics Accelerator for a Low-Cost Multimedia Workstation," Hewlett-Packard Journal, Vol. 46, No. 2, pp. 43-50 (April 1995) (51056DOC072083 – 090)	
	BZ	Undy et al., "A Low-Cost Graphics and Multimedia Workstation Chip Set," IEEE Micro, pp. 10-22 (April 1994) (51056DOC002578 – 590)	
	CA	HP 9000 Series 700 Workstations Technical Reference Manual: Model 712, Hewlett-Packard (January 1994) (51056DOC068048 – 141)	
	CB	PA-RISC 1.1 Architecture and Instruction Set Reference Manual, Third Edition, Hewlett-Packard (February 1994) (51056DOC002157 – 176)	
	CC	Ang, "StarT Next Generation: Integrating Global Caches and Dataflow Architecture," Proceedings of the ISCA 1992 Dataflow Workshop (1992) (51056DOC071743 – 776)	
	CD	Beckerle, "Overview of the StarT (*T) Multithreaded Computer," IEEE COMPCON '93, pp. 148-56 (February 22-26, 1993) (51056DOC002511 – 519)	
	CE	Diefendorff et al., "The Motorola 88110 Superscalar RISC Microprocessor," IEEE pp. 157-62 (1992) (51056DOC008746 – 751)	
	CF	Gipper, "Designing Systems for Flexibility, Functionality, and Performance with the 88110 Symmetric Superscalar Microprocessor," IEEE (1992) (51056DOC008758 – 763)	
	CG	Nikhil et al., "*T: A Multithreaded Massively Parallel Architecture," Computation Structures Group Memo 325-2, Laboratory for Computer Science, Massachusetts Institute of Technology (March 5, 1992) (51056DOC002464 – 476)	
	CH	Papadopoulos et al., "*T: Integrated Building Blocks for Parallel Computing," ACM, pp. 624-35 (1993) (51056DOC007278 – 289)	
	CI	Patterson, "Motorola Announces First High Performance Single Board Computer Using Superscalar Chip," Motorola Computer Group (Sept. 1992) (51056DOC069260 – 262)	
	CJ	M. Phillip, "Performance Issues for 88110 RISC Microprocessor," IEEE, 1992 (51056DOC008752 – 757)	
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	CL	R. Mueller, "The MC88110 Instruction Sequencer," Northcon, 1992 (51056DOC009735 – 738)	
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	CO	J. Maguire, "MC88110: Datpath," Northcon, 1992 (51056DOC010059 – 063)	
	CP	Abel et al., "Extensions to FORTRAN for Array Processing," ILLIAC IV Document No. 235, Department of Computer Science, University of Illinois at Urbana-Champaign (September 1, 1970) (51056DOC001630 – 646)	
	CQ	Barnes et al., "The ILLIAC IV Computer," IEEE Transactions on Computers, Vol. C-17, No. 8, pp. 746-57 (August 1968) (51056DOC012650 – 661)	
	CR	Knapp et al., "Bulk Storage Applications in the ILLIAC IV System," ILLIAC IV Document No. 250, Center for Advanced Computation, University of Illinois at Urbana-Champaign (August 3, 1971) (51056DOC001647 – 656)	
	CS	Awaga et al., "The $\mu$ VP 64-bit Vector Coprocessor: A New Implementation of High-Performance Numerical Computation," IEEE Micro, Vol. 13, No. 5, pp. 24-36 (October 1993) (51056DOC011921 – 934)	
EC	CT	Takahashi et al., "A 289 MFLOPS Single Chip Vector Processing Unit," The Institute of Electronics, Information, and Communication Engineers Technical Research Report, pp. 17-22 (May 28, 1992) (51056DOC009798 – 812)	

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				Filing Date	January 16, 2004
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2193
Examiner Name	CHAKI, KAKALI				
Sheet	5	of	10	Attorney Docket Number	43876-161
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
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EC	CU	Uchiyama et al., "The Gmicro/500 Superscalar Microprocessor with Branch Buffers," IEEE Micro (October 1993) (51056DOC000185 - 194)			
	CV	Broughton et al., "The S-I Project: Top-End Computer Systems for National Security Applications," (October 24, 1985) (51056DOC057368 - 607)			
	CW	Farmwald et al., "Signal Processing Aspects of the S-I Multiprocessor Project," SPIE Vol. 241, Real-Time Signal Processing (1980) (51056DOC072280 - 291)			
	CX	Farmwald, "High Bandwidth Evaluation of Elementary Functions," IEEE Proceedings, 5th Symposium on Computer Arithmetic (1981) (51056DOC071029 - 034)			
	GY	Gilbert, "An Investigation of the Partitioning of Algorithms Across an MIMD Computing System," (February 1980) (51056DOC072244 - 279)			
	CZ	Widdoes, "The S-I Project: Developing High-Performance Digital Computers," IEEE Computer Society COMPCON Spring 1980 (December 11, 1979) (51056DOC071574 - 585)			
	DA	Cornell, S-I Uniprocessor Architecture SMA-4 (51056DOC056505 - 895)			
	DB	The S-I Project, January 1985, S-I Technical Staff (51056DOC057368 - 607)			
	DC	S-I Architecture and Assembler SMA-4 Manual, December 19, 1979 (Preliminary Version) (51056DOC057608 - 918)			
	DD	Michielse, "Performing the Convex Exemplar Series SPP System," Proceedings of Parallel Scientific Computing, First Intl Workshop, PARA '94, pp. 375-82 (June 20-23, 1994) (51056DOC020754 - 758)			
	DE	Wadleigh et al., "High Performance FFT Algorithms for the Convex C4/XA Supercomputer," Poster, Conference on Supercomputing, Washington, D.C. (November 1994) (51056DOC068618)			
	DF	C4 Technical Overview (September 23, 1993) (51056DOC017111 - 157)			
	DG	Saturn Assembly Level Performance Tuning Guide (January 1, 1994) (51056DOC017369 - 376)			
	DH	Saturn Differences from C Series (February 6, 1994) (51056DOC017150 - 157)			
	DI	"Convex Adds GaAs System," Electronic News (June 20, 1994) (51056DOC019388 - 390)			
	DJ	Convex Architecture Reference Manual, Sixth Edition (1992) (51056DOC016599 - 993)			
	DK	Convex Assembly Language Reference Manual, First Edition (December 1991) (51056DOC015996 - 6598)			
	DL	Convex Data Sheet C4/XA Systems, Convex Computer Corporation (51056DOC059235 - 236)			
	DM	Saturn Overview (November 12, 1993) (51056DOC017111 - 157)			
	DN	Convex Notebook containing various "Machine Descriptions" (51056DOC016994 - 7510)			
	DO	"Convex C4/XA Offer 1 GFLOPS from GaAs Uniprocessor," Computergram International, June 15, 1994 (51056DOC019383)			
	DP	Excerpt from Convex C4600 Assembly Language Manual, 1995 (51056DOC061441 - 443)			
	DQ	Excerpt from "Advanced Computer Architectures - A Design Space Approach," Chapter 14.8, "The Convex C4/XA System" (51056DOC061453 - 459)			
	DR	Convex C4600 Assembly Language Manual, First Edition, May 1995 (51056DOC064728 - 5299)			
EC	DS	Alvarez et al., "A 450MHz PowerPC Microprocessor with Enhanced Instruction Set and Copper Interconnect," ISSCC (February 1999) (51056DOC071393 - 394)			

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/757 836
				Filing Date	January 16, 2004
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2193
				Examiner Name	CHAKI KAKALI
Sheet	6	of	10	Attorney Docket Number	43876-161

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc); date, page(s), volume-issued number(s), publisher, city and/or country where published.	T <sup>2</sup>
ES	DT	Tyler et al., "AltiVec™: Bringing Vector Technology to the PowerPC™ Processor Family," IEEE (February 1999) (51056DOC071035 - 042)	
	DU	AltiVec™ Technology Programming Environments Manual (1998) (51056DOC071043 - 392)	
	DV	Atkins, "Performance and the i860 Microprocessor," IEEE Micro, pp. 24-27, 72-78 (October 1991) (5156DOC070655 - 666)	
	DW	Grimes et al., "A New Processor with 3-D Graphics Capabilities," NCGA '89 Conference Proceedings Vol. 1, pp. 275-84 (April 17-20, 1989) (5156DOC070711 - 717)	
	DX	Grimes et al., "The Intel i860 64-Bit Processor: A General-Purpose CPU with 3D Graphics Capabilities," IEEE Computer Graphics & Applications, pp. 85-94 (July 1989) (5156DOC070701 - 710)	
	DY	Kohn et al., "A 1,000,000 Transistor Microprocessor," 1989 IEEE International Solid-State Circuits Conference Digest of Technical Papers, pp. 54-55, 290 (February 15, 1989) (51056DOC072091 - 094)	
	DZ	Kohn et al., "A New Microprocessor with Vector Processing Capabilities," Electro/89 Conference Record, pp. 1-6 (April 11-13, 1989) (5156DOC070672 - 678)	
	EA	Kohn et al., "Introducing the Intel i860 64-Bit Microprocessor," IEEE Micro, pp. 15-30 (August 1989) (5156DOC070627 - 642)	
	EB	Kohn et al., "The i860 64-Bit Supercomputing Microprocessor," AMC, pp. 450-56 (1989) (51056DOC000330 - 336)	
	EC	Margulis, "i860 Microprocessor Architecture," Intel Corporation (1990) (51056DOC066610 - 7265 and 5156DOC069971 - 70626)	
	ED	Mittal et al., "MMX Technology Architecture Overview," Intel Technology Journal Q3 '97, pp. 1-12 (1997) (5156DOC070689 - 700)	
	EE	Patel et al., "Architectural Features of the i860 - Microprocessor RISC Core and On-Chip Caches," IEEE, pp. 385-90 (1989) (5156DOC070679 - 684)	
	EF	Rhodehamel, "The Bus Interface and Paging Units of the i860 Microprocessor," IEEE, pp. 380-84 (1989) (5156DOC070643 - 647)	
	EG	Perry, "Intel's Secret is Out," IEEE Spectrum, pp. 22-28 (April 1989) (5156DOC070648 - 654)	
	EH	Sit et al., "An 80 MFLOPS Floating-Point Engine in the Intel i860 Processor," IEEE, pp. 374-79 (1989) (51056DOC072095 - 101)	
	EI	i860 XP Microprocessor Data Book, Intel Corporation (May 1991) (51056DOC067266 - 427)	
	EJ	Paragon User's Guide, Intel Corporation (October 1993) (51056DOC068802 - 9097)	
	EK	N15 Micro Architecture Specification, dated April 29, 1991 (50781DOC000001 - 982)	
	EL	N15 External Architecture Specification, dated October 17, 1990 (51056DOC017511 - 551)	
	EM	N15 External Architecture Specification, dated December 14, 1990 (50781DOC001442 - 509)	
	EN	N15 Product Requirements Document, dated December 21, 1990 (50781DOC001420 - 441)	
	EO	N15 Product Implementation Plan, dated December 21, 1990 (50781DOC001794 - 851)	
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	EQ	Hansen, "Architecture of a Broadband MediaProcessor," IEEE COMPCON 96 (February 25-29, 1996) (MU0013276 - 283 and 51057DOC001825 - 831)	
ES	ER	Moussouris et al., "Architecture of a Broadband MediaProcessor," Microprocessor Forum (1995) (MU0048611 - 630)	


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EC	ES	Amould et al., "The Design of Nectar: A Network Backplane for Heterogeneous Multicomputers," ACM (1989) (51056DOC020947 - 958)	
	ET	Bell, "Ultracomputers: A Teraflop Before Its Time," Communications of the ACM, (August 1992) pp. 27-47 (51056DOC020903 - 923)	
	EU	Broomell et al., "Classification Categories and Historical Development of Circuit Switching Topologies," Computing Surveys, Vol. 15, No. 2, pp 95-133 (June 1983) (51056DOC003002 - 040)	
	EV	Culler et al., "Analysis of Multithreaded Microprocessors Under Multiprogramming," Report No. UCB/CSD 92/687 (May 1992) (51056DOC069283 - 300)	
	EW	Donovan et al., "Pixel Processing in a Memory Controller," IEEE Computer Graphics and Applications, pp. 51-61 (January 1995) (51056DOC059635 - 645)	
	EX	Fields, "Hunting for Wasted Computing Power: New Software for Computing Networks Puts Idle PC's to Work," Univ. of Wisconsin-Madison, <a href="http://www.cs.wisc.edu/condor/doc/WiscIdea.html">http://www.cs.wisc.edu/condor/doc/WiscIdea.html</a> (1993) (51056DOC068704 - 711)	
	EY	Geist, "Cluster Computing: The Wave of the Future?," Oak Ridge National Laboratory, 84OR21400 (May 30, 1994) (51056DOC020924 - 929)	
	EZ	Ghafoor, "Systolic Architecture for Finite Field Exponentiation," IEEE Proceedings, Vol. 136 (November 1989) (51056DOC071700 - 705)	
	FA	Giloi, "Parallel Programming Models and their Interdependence with Parallel Architectures," IEEE Proceedings (September 1993) (51056DOC071792 - 801)	
	FB	Hwang et al., "Parallel Processing for Supercomputers and Artificial Intelligence," (1993) (51056DOC059663 - 673)	
	FC	Hwang, "Advanced Computer Architecture: Parallelism, Scalability, Programmability," (1993) (51056DOC059656 - 662)	
	FD	Hwang, "Computer Architecture and Parallel Processing," McGraw Hill (1984) (51056DOC070166 - 1028)	
	FE	Iwaki, "Architecture of a High Speed Reed-Solomon Decoder," IEEE Consumer Electronics (January 1994) (51056DOC071687 - 694)	
	FF	Jain et al., "Square-Root, Reciprocal, SINE/COSINE, ARCTANGENT Cell for Signal and Image Processing," IEEE ICASSP '94, pp. II-521 - II-524 (April 1994) (51056DOC003070 - 073)	
	FG	Laudon et al., "Architectural and Implementation Tradeoffs in the Design of Multiple-Context Processors," Technical Report: CSL-TR-92-523 (May 1992) (51056DOC069301 - 327)	
	FH	Lawrie, "Access and Alignment of Data in an Array Processor," IEEE Transactions on Computers, Vol. C-24, No. 12, pp. 99-109 (December 1975) (51056DOC002932 - 942)	
	FI	Le-Ngoc, "A Gate-Array-Based Programmable Reed-Solomon Codec: Structure-Implementation-Applications," IEEE Military Communications (1990) (51056DOC071695 - 699)	
	FJ	Litzkow et al., "Condor - A Hunter of Idle Workstations," IEEE (1988) (51056DOC068712 - 719)	
	FK	Markstein, "Computation of Elementary Functions on the IBM RISC System/6000 Processor," IBM J. Res. Develop., Vol. 34, No. 1, pp 111-19 (January 1990) (51056DOC059620 - 628)	
	FL	Nienhaus, "A Fast Square Root Combiner Algorithmic and Table Lookup Techniques," IEEE Proceedings Southeastcon, pp. 1103-05 (1989) (51056DOC061469 - 471)	
EC	FM	Renwick, "Building a Practical HIPPI LAN," IEEE, pp. 355-60 (1992) (51056DOC020937 - 942)	


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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/757,836
				Filing Date	January 16, 2004
				First Named Inventor	Craig C. HANSEN, et al.
				Group Art Unit	2193
Examiner Name	CHAKI, KAKALI				
Sheet	8	of	10	Attorney Docket Number	43876-161

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T <sup>2</sup>
EL	FN	Rohrbacher et al., "Image Processing with the Staran Parallel Computer," IEEE Computer, Vol. 10, No. 8, pp. 54-59 (August 1977) (reprinted version pp. 119-124) (51056DOC002943 - 948)	
	FO	Ryne, "Advanced Computers and Simulation," IEEE, pp. 3229-33 (1993) (51056DOC020883 - 887)	
	FP	Siegel, "Interconnection Networks for SIMD Machines," IEEE Computer, Vol. 12, No. 6 (June 1979) (reprinted version pp. 110-118) (51056DOC002949 - 957)	
	FQ	Singh et al., "A Programmable HIPPI Interface for a Graphics Supercomputer," ACM (1993) (51056DOC020888 - 896)	
	FR	Smith, "Cache Memories," Computing Surveys, Vol. 14, No. 3 (September 1982) (51056DOC071586 - 643)	
	FS	Tenbrink et al., "HIPPI: The First Standard for High-Performance Networking," Los Alamos Science (1994) (51056DOC020943 - 946)	
	FT	Tolmie, "Gigabit LAN Issues: HIPPI, Fibre Channel, or ATM," Los Alamos National Laboratory Report No. LA-UR 94-3994 (1994) (51056DOC046599 - 609)	
	FU	Tolmie, "HIPPI: It's Not Just for Supercomputers Anymore," Data Communications (May 8, 1995) (51056DOC071802 - 809)	
	FV	Toyokura et al., "A Video DSP with a Macroblock-Level-Pipeline and a SIMD Type Vector-Pipelined Architecture for MPEG2 CODEC," ISSCC94, Section 4, Video and Communications Signal Processors, Paper WP 4.5, pp. 74-75 (1994) (51056DOC003659 - 660)	
	FW	Tullsen et al., "Simultaneous Multithreading: Maximizing On-Chip Parallelism," Proceedings of the 22nd Annual International Symposium on Computer Architecture (June 1995) (51056DOC071434 - 443)	
	FX	Turcotte, "A Survey of Software Environments for Exploiting Networked Computing Resources," Engineering Research Center for Computational Field Simulation (June 11, 1993) (51056DOC069098 - 256)	
	FY	Vetter et al., "Network Supercomputing: Connecting Cray Supercomputers with a HIPPI Network Provides Impressively High Execution Rates," IEEE Network (May 1992) (51056DOC020930 - 936)	
	FZ	Wang, "Bit-Level Systolic Array for Fast Exponentiation in GF(2m)," IEEE Transactions on Computers, Vol. 43, No. 7, pp. 838-41 (July 1994) (51056DOC059407 - 410)	
	GA	Ware et al., "64 Bit Monolithic Floating Point Processors," IEEE Journal of Solid-State Circuits, Vol. Sc-17, No. 5 (October 1982) (51056DOC059646 - 655)	
	GB	"Bit Manipulator," IBM Technical Disclosure Bulletin, pp. 1575-76 (November 1974) (51056DOC010205 - 206)	
	GC	Finney et al., "Using a Common Barrel Shifter for Operand Normalization, Operand Alignment and Operand Unpack and Pack in Floating Point," IBM Technical Disclosure Bulletin, pp. 699-701 (July 1986) (51056DOC010207 - 209)	
	GD	Data General AViiON AV500, 550, 4500 and 5500 Servers	
	GE	Jovanovic et al., "Computational Science: Advances Through Collaboration," San Diego Supercomputer Center Science Report (1993) (51056DOC068769 - 779)	
	GF	High Performance Computing and Communications: Toward a National Information Infrastructure, National Science Foundation (NSF) (1994) (51056DOC068791 - 801)	
	GG	National Coordination Office for High Performance Computing and Communications, "High Performance Computing and Communications: Foundation for America's Information Future" (1996) (51056DOC072102 - 243)	
EE	GH	Wilson, "The History of the Development of Parallel Computing," <a href="http://ei.cs.vt.edu/~history/Parallel.html">http://ei.cs.vt.edu/~history/Parallel.html</a> (51056DOC068720 - 757)	

Examiner Signature		Dated Considered	6/15/07
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Attorney Docket Number	43876-161				
Sheet	9	of	10		

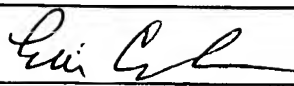
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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EC	GI	IEEE Standard 754 (ANSI/IEEE Std. 754-1985) (51056DOC019304 - 323)	
		Original Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed March 26, 2004	
	GJ	Amended Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed April 20, 2004	
	GK	Expert Witness Report of Richard A. Killworth, Esq., <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005	
	GL	Declaration and Expert Witness Report of Ray Mercer Regarding Written Description and Enablement Issues, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005	
	GM	Corrected Expert Report of Dr. Stephen B. Wicker Regarding Invalidity of U.S. Patent Nos. 5,742,840; 5,794,060; 5,764,061; 5,809,321; 6,584,482; 6,643,765; 6,725,356 and Exhibits A-I; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 6, 2005	
	GN	Defendants Intel and Dell's Invalidity Contentions with Exhibits A-G; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 19, 2005	
	GO	Defendants Dell Inc. and Intel Corporation's Identification of Prior Art Pursuant to 35 USC §282; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 7, 2005	
	GP	Request for <i>Inter Partes</i> Reexamination Under 35 USC §§ 311-318 of U.S. Patent No. 6,725,356 filed on June 28, 2005	
	GQ	Deposition of Larry Menneier on September 22, 2005 and Exhibit 501; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division	
	GR	Deposition of Leslie Kohn on September 22, 2005; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division	
	GS	Intel Article, "Intel Announces Record Revenue of 9.96 Billion", October 18, 2005	
	GT	The New York Times Article, "Intel Posts 5% Profit Increase on Demand for Notebook Chips", October 19, 2005	
	GU	USA Today Article, "Intel's Revenue Grew 18% In Robust Quarter for Tech", October 19, 2005	
	GV	The Wall Street Journal Article, "Intel Says Chip Demand May Slow", October 19, 2005	
EC	GW	The New York Times Article, "Intel Settlement Revives A Fading Chip Designer", October 20, 2005	

Examiner Signature	<i>Qui C. C.</i>	Dated	6/15/07
		Considered	

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>				ATTY. DOCKET NO. <b>43876-161</b>		SERIAL NO. <b>Continuation of Serial No. 10/646,787</b>		
<b>(PTO-1449)</b>				APPLICANT <b>HANSEN, et al.</b>				
				FILING DATE <b>January 16, 2004</b>		GROUP <b>To be assigned</b>		
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE		
EC	4,025,772	05/24/77	Constant	—	—			
	4,489,393	12/18/84	Kawahara, et al.	—	—			
	4,701,875	10/20/87	Konishi, et al.	—	—			
	4,727,505	02/23/88	Konishi, et al.	—	—			
	4,876,660	10/24/89	Owens, et al.	—	—			
	4,893,267	01/09/90	Alsup, et al.	—	—			
	4,956,801	09/11/90	Priem et al.	—	—			
	4,969,118	11/06/90	Montoye, et al.	—	—			
	4,975,868	12/04/90	Freerksen	—	—			
	5,032,865	07/16/91	Schlunt	—	—			
	5,157,388	10/20/92	Kohn	—	—			
	5,201,056	04/06/93	Daniel, et al.	—	—			
	5,268,855	12/07/93	Mason, et al.	—	—			
	EC	5,268,995	12/07/93	Diefendorff, et al.	—	—		
<b>FOREIGN PATENT DOCUMENTS</b>								
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
						Yes	No	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
EC	Parallel Computers for Graphics Applications, Adam Levinthal, Pat Hanrahan, Mike Paquette, Jim Lawson, Pixar San Rafael, California, 1987							
	Organization of the Motorola 88110 Superscalar RISC Microprocessor, Keith Diefendorff and Michael Allen, IEEE Micro. April 1992, 40-63							
EC	Microprocessor Report, Volume 7 Number 13, October 4, 1993, IBM Regains Performance Lead with Power2, Six Way Superscalar CPU in MCM Achieves 126 SPECint92.							
	IBM Creates PowerPC Processors for AS/400, Two New CPU's Implement 64-Bit Power PC with Extensions by Linley Gwennap, Microprocessor Report July 31, 1995, 15-16							
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
EC	5,408,581	04/18/95	Suzuki, et al.	—	—		
	5,423,051	06/06/95	Fuller, et al.	—	—		
	5,426,600	06/20/95	Nakagawa, et al.	—	—		
	5,500,811	03/19/96	Corry	—	—		
	5,557,724	09/17/96	Sampat, et al.	—	—		
	5,588,152	12/24/96	Dapp, et al.	—	—		
	5,592,405	01/07/97	Gove, et al.	—	—		
	5,640,543	06/17/97	Farrell, et al.	—	—		
	5,642,306	06/24/97	Mennemeier, et al.	—	—		
	5,666,298	09/09/97	Peleg, et al.	—	—		
	5,669,010	09/16/97	Duluk, Jr.	—	—		
	5,673,407	09/30/97	Poland, et al.	—	—		
	5,675,526	10/07/97	Peleg, et al.	—	—		
EC	5,680,338	10/21/97	Agarwal, et al.	—	—		
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	0 474 246 A2	06/09/91	EP				
	0 654 733 A1	05/07/94	EP				
<b>OTHER ART. (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EC	The Visual Instruction Set (VIS) in UltraSPAR™. L. Kohn, G. Maturana, M. Tremblay, A. Prabhu, G. Zyner, IEEE, May 3, 1995, 462-469						
EC	Osborne McGraw-Hill, i860™ Microprocessor Architecture, Neal Margulis, Foreword by Les Kohn, 1990, 8-10; 171-175; 182-183						
EC	A General-Purpose Array Processor for Seismic Processing, Nov-Dec., 1984, Volume 1, No. 3) Revisiting past digital signal processor technology, Don Shaver- Jan-Mar. 1998, 5-26						
EC	Ruby B. Lee, "Accelerating Multimedia with Enhanced Microprocessors", IEEE Micro, April 1995, 22-32.						
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 WDC99 864148-1.043876.0161

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
EC	5,721,892	02/24/98	Peleg, et al.	—	—		
	5,734,874	03/31/98	Van Hook, et al.	—	—		
	5,757,432	05/26/98	Dulong, et al.	—	—		
	5,758,176	05/26/98	Agarwal, et al.	—	—		
	5,802,336	09/01/98	Peleg, et al.	—	—		
	5,809,292	09/15/98	Wilkinson, et al.	—	—		
	5,818,739	10/06/98	Peleg, et al.	—	—		
	5,825,677	10/20/98	Agarwal, et al.	—	—		
	5,835,782	11/10/98	Chu Lin, et al.	—	—		
	5,886,732	03/23/99	Humpleman	—	—		
	5,922,066	07/13/99	Cho, et al.	—	—		
	5,983,257	11/09/99	Dulong, et al.	—	—		
	6,016,538	01/18/00	Guttag, et al.	—	—		
	6,092,094	07/18/00	Ireton	—	—		
EC	6,401,194 B1	06/04/02	Nguyen, et al.	—	—		
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